Military Health System Office of the Chief Information Officer Integrated Requirements-Design Overview



Data Quality Course
August 12, 2008
Deputy Director, Integrated RequirementsDesign

Purpose











- Data Quality Course attendees will gain familiarity with:
 - The MHS Integrated Requirements-Design (IRD) Process
 - The MHS Concept of One
 - The IRD Process and Data Quality
 - The IRD Organization
 - MHS IM/IT Governance
 - MHS Related Internet Sites

Integrated Requirements-Design What Problem Are We Solving

- Improve alignment ability to deliver information systems that
 - Support the business objectives of MHS Leadership and Stakeholders
 - Deliver the value MHS Leadership seeks from their IT investments
- Improve interoperability the ability of MHS information systems to
 - Work together as one seamless MHS solution
 - Share information with MHS partners
- Improve agility the ability to deliver information systems
 - More quickly
 - At a lower cost
- Alignment, interoperability and agility are characteristics that lead to improved
 - Cost
 - Schedule
 - Time to market
 - Performance
 - Quality

Integrated Requirements-Design Improves Alignment, Interoperability & Agility Governance Master Planning Alignment Individual Projects Strategic Plan Direct Architecture Monitor **Alignment** MHS Individual Projects Are MHS IM/IT Transformation Led By Information **Initiatives** Plan Managers Reporting to Governance Interoperability and MHS Vision - Concept of **Agility** One IRD Creates Minimum Essential One MHS Information to Ensure **One MHS requirement** Convergence and Quality Satisfied by one Requirementssolution Exe¢utio Peace am. Integrated Data **Execute Programs** According to Convergence and **Systems Quality Plan**

Important Concepts - Mindset Changes



- MHS concept of one There is one MHS with one set of MHS enterprise requirements which are satisfied by one MHS enterprise solution. This solution is acquired/built as multiple components.
- Business processes and IT systems are intrinsically related
 - Requirements discussions must include people who understand the technical capabilities available to satisfy the requirements
 - Design discussions must include people who understand the business needs
- Requirement design discussions are documented using enterprise architecture methodologies
 - Developed to represent the complexities found in the MHS in an unambiguous way
 - Developed to ensure enterprise design integrity
- Government reclaims it's responsibility to determine the future of the MHS
 - Government as integrator
 - Government furnished design specifications
- Transparency Maintain broad-based (technical and business), external and internal visibility and review throughout the process
- Reduce the size of functional/system entities that move through the lifecycle

integrated Requirements-Design **Process**

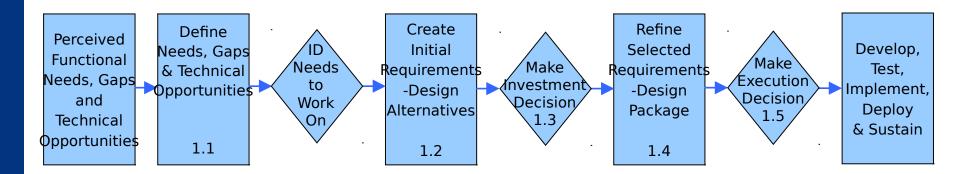












Triage Phase

Receive, document, analyze and prioritize all of the perceived needs, gaps and technical opportunities throughout the MHS and decide which ones to analyze in depth for an investment decision

Pre-Investment Phase

Analyze requirements and associated design alternatives (requirements-design packages) and document MHS leadership investment decisions

Pre-Execution Phase xecution

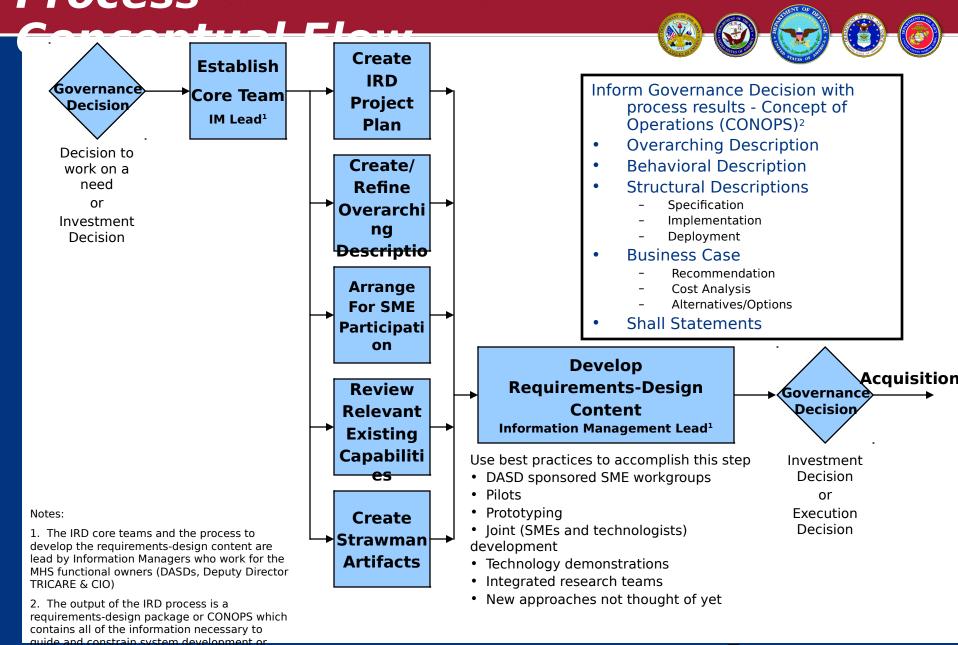
Complete design specifications for selected requirementsdesign packages and verify MHS leadership desire to move, to execution (acquisition)

Phase

Acquisition

Agile

integrated negunements-besign **Process**



Interoperable

Aligned

Agile

Integrated Requirements-Design Facilitates Data Quality

- MHS Requirements-Design identifies, and obtains agreement on specific standards and terminologies
- Data Standardization at the structure, code set, input, and interchange level
- Data Management Plans for all standard message transactions, data sets, code & value sets exchanged by more the one system
- MHS Contract Language enforces usage of Data **Standards**
- MHS Data Standards Configuration Management Board oversees data issues and facilitates solutions
- IT Data Quality IPT EIDS

IRD Organization

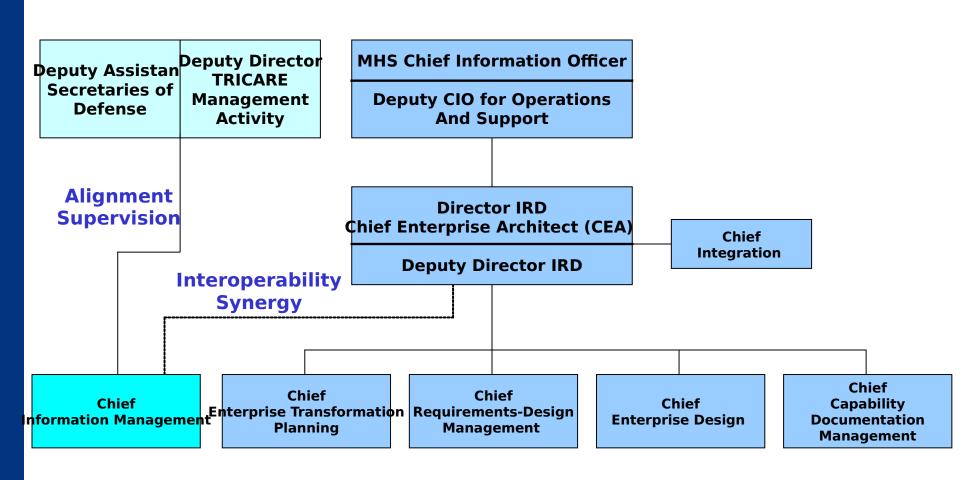




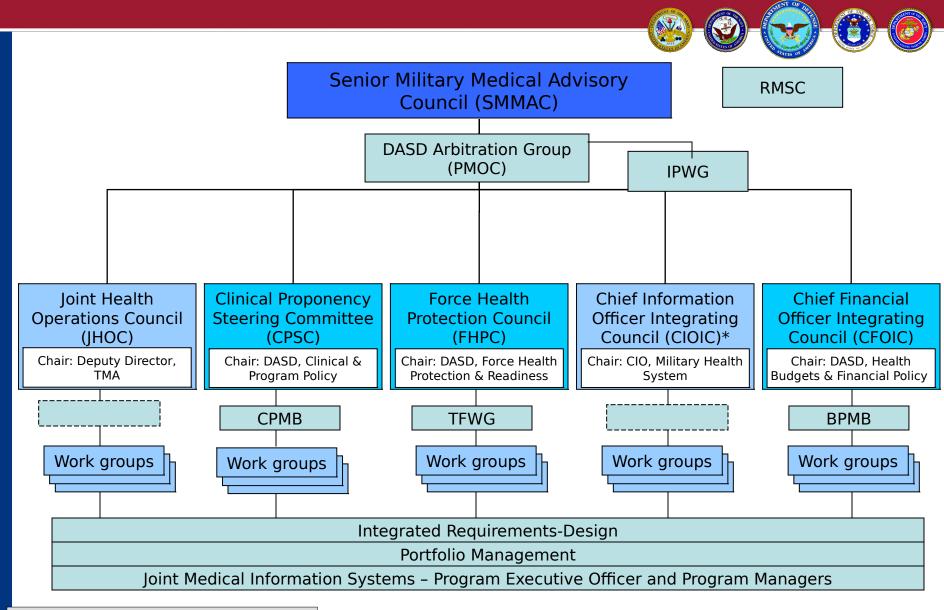








Military Health System Governance (draft)



*CIO Integrating Council would need to be established

Points of Contact











Information Managers supporting the DASD, Health Budgets & Financial Policy

- IRD Data Standards Lead
 - Chief of Integration
 - Chair of Data Standards Configuration Management Board

Related Internet Sites











- MHS Enterprise Architecture: Apply for password https://xnet.tricare.osd.mil
- **DoD Metadata Repository and Clearinghouse:** https://metadata.dod.mil/mdr/homepage/htm
- **Unified Biostatistical Utility (UBU):** http://www.tricare.mil/ocfo/bea/ubu/index.cfm
- **Uniform Business Office (UBO):** http://www.tricare.mil/ocfo/mcfs/ubo/index.cfm
- **DoD Business Transformation Agency:** http://www.defenselink.mil/dbt/
- **TRICARE** Health Insurance Portability & Accountability Act (HIPAA): http://www.tricare.mil/hipaa/

Backup?

MHS IM/IT Planning and Execution Cycle **External Drivers** Information System Delivery & Monitoring MHS M/IT Strategic **War Fighter** Mission & **Planning Future State** and **Architectural** Strategic Plan **Analysis Business Enterprise** Master **Transformation** Mission **Planning DoD Acquisition Planning** Area **Collect Submissions** or BCL Process **Functional** Cycle & Validate Analysis Requirements Review MHS IM/IT Repository **Validation Approval** Model & Text Based Information **MHS Portfolio External** Supports Multiple Purposes & Views Management Enterprise Architecture View Master Plan View **Architectures and** Process Current State (As Needed) • IM/IT Strategic Plan Stakeholders Future State Vision · Future State Vision Gap Transition Plan Enterprise Transformation, **Analysis** Plan **Review Integrated Validation** Gap = Requiremen **Approval Master Plan** ts-Design (Current IRD Cycle State + **Process** IRD **Completed RD Prioritizati** Planned RD Sets)±